



Serial No. 10/631996

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

Inventor(s): **Joanna Aizenberg**
Mischa Megens
Shu Yang

Case: **5-2-15**

Serial No.: **10/631996**

Filing Date: **July 31, 2003**

Examiner:

Group Art Unit:

Title: **Tunable Micro-Lens Arrays**

COMMISSIONER FOR PATENTS

P.O. BOX 1450

ALEXANDRIA, VA 22313-1450

SIR:

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(b)

In accordance with 37 CFR 1.97(b), the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

With respect to German language Patent Publication DE 196 23 270, an English language Abstract from the esp@cenet database, i.e., Reference AA-15, provides a concise explanation as required under 37 CFR 1.98 (a)(3)(i).

With respect to French language Patent Publication WO 99/18456, the English language Abstract on the cover page of that document provides a concise explanation as required under 37 CFR 1.98 (a)(3)(i).

With respect to French language Patent Publication FR 2 769 375, a concise explanation as required under 37 CFR 1.98 (a)(3)(i) is provided by the following explanation of the abstract therein. The invention concerns a dispositive comprising a chamber (12) filled with a first liquid (13); a drop (11) of a second liquid disposed on a zone (15) of a first face of the chamber wall; wherein the chamber wall is made of an insulating material; one of the liquids is conductive and the other liquid is insulating; and the first and second liquids are immiscible, have different optical indices, and are substantially of the same density. The dispositive comprises means for positioning at rest (14) said drop on the said

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zone (15), electrical means for applying an electrical voltage between the conductive liquid and an electrode (16) disposed on the second face of said wall, and centering means (16) for maintaining the centering and to control the form of the edge of the drop while a voltage is applied.

NO FEE IS REQUIRED

In the event of any non-payment or improper payment of a required fee, the Commissioner is authorized to charge or to credit **Lucent Technologies Deposit Account No. 12-2325** as required to correct the error.

Respectfully,



John F. McCabe, Attorney

Reg. No. **42854**

908-582-6866

Date: Oct. 24, 2003

Docket Administrator (Room 3J-219)

Lucent Technologies Inc.

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INFORMATION DISCLOSURE STATEMENT	Case Name.	J. Aizenberg 5-2-15
	Serial No.	10/631996
	Applicant:	J. Aizenberg, et al.
	Filing Date:	July 31, 2003
	Group:	

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Dat
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	AA-4	10/096199		Chandross et al.			3/12/2002

EXAMINER	DATE CONSIDERED

***Examiner:** Initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant


INFORMATION DISCLOSURE STATEMENT

Case Name. J. Aizenberg 5-2-15
 Serial No. 10/631996
 Applicant: J. Aizenberg, et al.
 Filing Date: July 31, 2003
 Group:

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation
	AA-5	FR 2 769 375 A1	4/9/1999	France	G 02 B	3/14	No
	AA-6	DE 196 23 270 A	1/15/1998	Germany	G 02 B	26/09	No
	AA-7	WO 99/18456	4/15/1999	France	G 02 B	26/02	No

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	AA-9	Schilling, Andreas et al., "Surface Profiles of Reflow Microlenses Under the Influence of Surface Tension and Gravity," <i>Opt. Eng.</i> 39(8) pp. 2171-2176, Society of Photo-Optical Instrumentation Engineers, August 2000.
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	AA-11	Feng, Chuan Liang et al., "Reversible Wettability of Photoresponsive Fluorine-Containing Azobenzene Polymer in Langmuir-Blodgett Films," <i>Langmuir</i> Vol. 17, No. 15, 2001, pp. 4593-4597, American Chemical Society, published on Web 06/22/2001.
	AA-12	Ichimura, Kunihiro et al., "Light-Driven Motion of Liquids on a Photoresponsive Surface," <i>Science</i> , Vol. 288, June 2, 2000, pp. 1624-1626.
	AA-13	Commander, L.G. et al., "Variable Focal Length Microlenses," <i>Optics Communications</i> 177, April 15, 2000, pp. 157-170.
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***References listed beyond AZ would list as AA-1, AB-2, AC-3 thru AZ-26.

***Note First Page ONLY Header/Footer. Subsequent pages must ONLY have page # layout as header